

gtagagcaat tatcccagtc tttaaaactg gatatgaatg agattcacc tgacgaatcc 5100  
 tttgccgatt atggtgttga ttccattacc ggtgctagtt ttattcaaca gcttaatgac 5160  
 acgctgacac tgactttaaa gacggtgtgt ttgtttgac acagctcggg aaaccgactg 5220  
 acggcctatc tgttatctga ctatggtgat gatacgcg agtggtttag acggcacca 5280  
 gcgttggttg atcatccaca gagtgtcgtc agtcagggtg tgcctgaaag gtgccagca 5340  
 agcacacaag ccaagccctt gccttcagtc ccccttcgt tatcgatgga gtccccgtt 5400  
 caacaggagt cgatagcgat tattggtatg agcggacggg ttgcggcgtc agaaaacctg 5460  
 gaagcgtttt ggcaacagtt ggcacagggg gtggatttg tcgaacctgc gtcacgttg 5520  
 gggccacaag cggagactta ctacggcagt ttctcaagg atatggatca atttgatcct 5580  
 ctctttttta atctctcgg tgtggaagcg agttatatg acccgcaaca acgttgttt 5640  
 ctggaggaat cctggaatgc actggagaat gcgggttatg tgggtgatgg catagaaggc 5700  
 aagcgttgtg gtatttatgc cggttgcgtg tccggtgact acgcacaaat gttgggcgac 5760  
 caacccccgc ccaggcctt ttggggcaat gccagttcta ttattccgc ccgattgcc 5820  
 tattatttaa atcttcaggg ccctgctacc gcggtggata ctgcctgctc aagtctctg 5880  
 gtggcgggtgc atttggcctg ccaggcccta cacctggatg aaatggagat ggccttggca 5940  
 ggagggtgtg ctctttatcc aacccccatc attgtatgag tctttgcgtg gtgcagatat 6000

FIG. 22K (cont'd)

ancaatttat	naatccnccg	ggaanaacg	aacggtcacc	atntaggcag	gcattgcggc	60
caacgggttat	ttttttaaat	gagttaacca	aaaaagngtt	tttgnagtgt	aaattggttt	120
gncganggtt	ggccttattt	aananaagga	ttngtatttc	ttgaaaccca	gggttatctt	180
ctaacagtgc	aancggtact	gaggcgctcg	ntttggttac	gtgaatttcc	gctccatgac	240
gctcgtgagt	tgggtcaaca	aatcatcctg	gcaaccaacg	cccatgcgaa	cgttgtagcg	300
atcttgcgac	atcggtgatt	gatcatgccc	ccaagagatt	gccatccgcc	gaggtcagca	360
tggataaaga	gtagccatga	tgccatgatg	aaggcatcgg	tcaaacagtt	gttggtagag	420
caattatccc	agtcctttaa	actggatatg	aatgagattc	accctgacga	atcctttgcc	480
gattatggtg	ttgattccat	taccggtgct	agttttattc	aacagcttaa	tgacacgctg	540
acactgaytt	kraagackkt	gtgtttgctt	gatcacagct	cggtaaacgg	actgacggcc	600
tatctgttat	ctgactatgg	tgatgatatc	gcgcagtggc	tagcaacggc	accagcgttg	660
gttgatcatc	cacagagtgt	cgtcagtcag	gtgttgccctg	aaaggtcgcc	agcaagcaca	720
caagccaagc	ccttgccctc	agtcccccct	tcgttatcga	tggagtcacc	cgttcaacag	780
gagtcgatatg	cgattattgg	tatgagcggg	cggtttgccg	cgtcagaaaa	cctggaagcg	840
ttttggcaac	agttggcaca	gggtgtggat	ttggtcgaac	cgcgtcacg	tbggggggcca	900
caagcggaga	cttactacgg	cagktttyctc	aaggatatgg	atcaatttga	tcctctcttt	960
tttaatctct	ccggtgtgga	agcgagttat	atggaccgcc	aacaaacgttg	ttttctggag	1020
gaatccttga	atgcacttga	gaatgcgggt	tatgtgggtg	atggcataga	aggcaagcgt	1080
tgtggtattt	atgcgggttg	cgtgtccggc	gactacgcac	aactgtttggg	cgaccaaccc	1140
ccgccccagg	ctttttgggg	caatgccagt	tctattattc	ccgcccggt	tgctattat	1200
ttaaaatctt	agggccctgc	taccgcggtg	gatactgcct	gctcaagtcc	tctgggtggc	1260
gtgcattttg	cctggccagg	cctacacctg	gatgaaatgg	agatggcctt	ggcaggaggt	1320
gtgtctcttt	atccaaaccc	natcatttga	tgagtctttg	cgtgggtgcag	atatgctctc	1380
ttcgaggggg	cgttgccaca	ngctttgatg	cctgtgccsa	cggtatcgtc	attkgtgaat	1440
gggtgggggk	ggtngngng	taaaacgctt	gtcggcggca	tttgcccgga	tggcnaatca	1500
tattcacgga	gtgattgctg	gcagtggtat	caantcaaaa	cggtcgtagt	aamtgggaat	1560
acggggcacc	agtgcmaaaa	tscaaaagaac	gcttgawaac	gttgggttnt	atgacgcctt	1620
tgdtyyyaac	cttkagcaha	tkagcatgkt	cgaaggccvd	tggacagggc	acgrgdytta	1680

FIG. 22C

ggtgkacccc arttgaayrt daaacyttam acccgvvggt ttagacactw adacgsaata 1740  
 aagaahaatd htgvghatc gsgtcggcnc aaaaccaata tgggamacyg gsaccatggt 1800  
 wggctgggtd tggggggcctt gtkkgatrrt kkaaaagntgg tgttgtcgat gcaacacccg 1860  
 caaaatacct ccacgcgtac attttactca gggcaatccg aatattgact ttgatcgcag 1920  
 tcctttttat gtgaacacccg agcttcgtga ttggtcgggtg ggtgaaggag agacccgctg 1980  
 tgcgacgggtg agcgcctttg gatttagtgg taccaatgcc catgcagtga tagaagaagc 2040  
 gccgccagtc gtgcgccaac atgaagagca gccgggttat taaagtggtc ttatcggcgc 2100  
 atagtgatga tcaattacgg cagcaagggtt gagaacttta tgcgggttat tgtgagcatc 2160  
 accctgagtt ggatgtgggc aartcytgag rttatacctt attgnttggg ntcgtaaca 2220  
 ttggnctgca tcgtctggct ggtgntggcg tngtgatctt gaggatttgc ggcggtcact 2280  
 ggatcagtggt nttgggtcag ggtaaaggctc ccgagtgta tgnngtctng canttggctg 2340  
 aggggtgaacc acngtctanc aagtttctct acagcacgtt ggtaatgaat gtataagagc 2400  
 antgcagtga gtcctgttct gcgaatcact atgtggacgc gtatcgcag gtgggggawt 2460  
 tatatgttca gggttatcca ttggagtatg gtgtgttgtt tgscakggc watrrwcktw 2520  
 ttsskttkcc gamctakssg tttscwarkc agcgttgttg ggtaccacaa acaataagcc 2580  
 actccacagt ggatgctata tcacagcatg cttttttaca tcctttgtta catcgaaata 2640  
 ctccggactt ttcatgtcag cgttttagct ccacatttaa tgggagtga ttttttctta 2700  
 ctgaccacct tattctaggc aaaaagatat tgcccggagc cgmtymtttc gaaatggtcc 2760  
 gagaggccat caaacaagct tgtggatttt tggataatcc tgaagtgttt attcagctca 2820  
 atgatatgt atggacaaaa gtgattgcag ttgatgatga tatcaaaagaa gtacatatgt 2880  
 atcttttttg tagaaaaatg cagtgaatca tgcttaacgc atgagtttga taggcaaaaac 2940  
 atatcgctta actatgaagt ttatacgcaa aatagtggag gaaatggcag gcagaataaa 3000  
 aaaaattatc ataatacscg catgggtcacc ttgagtttct ttgaatacaa ccggagggtg 3060  
 tagatcctga tgaactacsc mgccmctata aatcaascaa gtcttanatg ctgaacaaat 3120  
 gttatttggc gtttggaatc aatargtgtt cakwttgggt acagggmccg atgtatarat 3180  
 acsgtwtatw tcggtgagca tcaagtatta rcmaaaactyt ytwtgccaga aattgcagga 3240  
 gawttgggata artscctttgt tttgcaccca ggcattggtag attctgcttt acaggccaca 3300  
 ttgggtatta ctctgatat caatgatatc atgttagcgc atcgccaagc cgattatatc 3360

FIG. 22L (cont'd)

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ttgaccccc agtcgacgct tccctttgct ctkgwmaaa tkkaawtway ysgaaaaygt 3420
wcagattcta tgtgggtttg gattckaaat tctttatcga cagaccasaa gtctccacgc 3480
tcagcccggt aatgatatac aacatctcga cattgatcta ttggacgctc aaggaaaaagt 3540
atgtgtgcga atgcgaggtt tctgtctcgc tttgaataac cagcaagcac cnttactttt tccaatccca 3600
scagaagaac cgtttacagc tcttatccaa gtggccaatt aacctacct taawtgatgc 3720
ggtatggcgt tncgccagac tcttgacgnat ttgaaatatg gacttaatgt agaaaaataga 3780
ccggtccatc cttgggttga ccttacactc ccaaacactc tggatttaca ggatcgctac 3840
aggatgtaga ggtttattga tcttatccaa gtggccaatt aacctacct taawtgatgc 3900
ttgtgataat tgcactgcag gtatttgaaa ttgtaaaang acgtaaatgt agataaatcc 3960
gtacaaccag tactgattca gttgttagtt cctaataatg gagaacaagg ggtattcacc 4020
agtttattgg cattactaaa ggtggctcgc tcaaaaaacc ccaaaagtgt tacacaatta 4080
attcaagtac aatagtcctc gaaacctcgc aaaatttact acggaattatc actgaaaaata 4140
gtcatgatat aacacatgca gaaattcgtt atcacttggn atcaacgtga atgtttgktt 4200
tggkaascag taccacaatc ccggtggaat tagcgtcaca gtttgtcaaa gcgwtacgag 4260
ttatytctwt mcgggaggga ttaatcttkg taggkcskct accactcmat grtgaaaaaga 4320
tgagtcccac aaaatcggt aactagaaat ggratccggt gggggaccat tattaawtmc tatcaraacr 4380
aatcttaawt aactagaaat aactagaaat ggratccggt gggggaccat tattaawtmc tatcaraacr 4440
gatgtaagcc aacanggatc aagttaaagc wttgwttaaa raaattkttc ascaawtmcgg 4500
tcaattgaaw ggkgktttsy attgtgcagg tattgtcaac gacaattttta ttctcaaaaa 4560
gtcctcgaca gaatacaaa aggtattggt gtntaaagta tcnggtnctg tcaatttaga 4620
ccaggcanca canagnatag agatggattt tcttatnnta ntaaaaaacgt tatctgcagt 4680
attcggannn acagnacagg gtnttagata atngtccaaa tactttttcc aggtgttggg 4700
taaangggat tggaanccaa

```

FIG. 22L (cont'd)

FIG. 22M

acagggacag ggttatatcc ctggtgaagg agtgggtgcc ataatactga agcgcttggc 1740  
 cgatgccgag cgtgacggtg atcatattta tgggtgttgtt aaaggcagtg ccgttaacca 1800  
 tgggtgtaaa accaacggct ataacgttcc taatccgaat gcacaacagc aagtggtag 1860  
 tcgtgcacta cgagaagccg cagtaaaccc ccatactgtg acttatattg aggcacatgg 1920  
 aacaggaacc caattgggtg accgataga aattactgkt ctrammaaag cgttcaatag 1980  
 tttgaccaat gagcttgggt taagcgctgt gscacaacma tygkgtttga tcggstcark 2040  
 gaagtcaaaa tatagggcat tgcacaacgg gtcaaatagt cccttcttta cattcaaaag 2100  
 ttgttacaaa tttactgtga tttactgtga ctccctttgt agtaaaccaa gggttattgg 2160  
 caatatgtat acttgaagt gaaggaaaaga gggtrccgag aatkgctkky mwwwckkyyt 2220  
 tggctcaaat gcccatgtag gcccatgtag tgattgagga gtacgttgcc agcaatgaaa 2280  
 ttttcaagga aaagtaatta tccctttatc ggwatagac tskgatcar ctacaaraaa 2340  
 warkggatcg tttgcttaag tttatcraaa aaaatgaagc aaaraggtag ggaawtksgc 2400  
 ttaattgwtg ttgocgwawa cattgcaact tggcgcgag gtcaatgara ggaacgtctg 2460  
 gncmttngan ttgtaggaat cnaataccaa atgcttaang gaaagatttt agcaaaagnt 2520  
 ttaaatactc agaaaatnga tgcacanatt tttcggatc tttatcaaaa rcatttttct 2580  
 ggggttcgta ctagacctgg gtgcgttgra tttcgtatt tttctgaag atgaagaata 2640  
 tggccaacac gcttgatatt ttggattcaa aaaggtaaat actttaagnc tggcggagct 2700  
 ttgggttaaa ggttgacta ttgattggaa taaatggat aacgcattat taaccagaa 2760  
 taaatatttg aaacntcgt cgtattagtt tgcnaacng tatccttttt ccagggatcg 2820  
 ttattggatt nccnaagtgc tttccacaa ncaaacattt tctacagtaa ttgaggcaga 2880  
 cgccaaccma aacattgaat gagctactgt gttttgaaga aaaatggcag gtgcaatcgg 2940  
 aactacatga ctctgttgca gatcaatcta atgttatcaa tacattaatt tgttttttaa 3000  
 ctgagaaaaga gcatcaaaaa gcattacaac aatcaatatc attccatagc ccgaaaaaac 3060  
 gattgatttt tatcagccag gctcaggctt atgagcagta ttcacatgat cactatgcgg 3120  
 ttaattccaga aataggaaaag acgtaccaac aggccttttca acacattgtg aaaaagtatt 3180  
 ataaaaagtga tgtcacggac ataattgtatt tatgggctct agaggatgaa cgctggatta 3240  
 cgtctcctct acctattgta tatcttttaa aaagtattga ggtttcttta ttaaaaaccar 3300  
 3360

FIG. 22M (cont'd)

aaaaattact atttgttgga gaatttaaga caagcttakc rrcgaytgty acyykraakc 3420  
 cwrqkkgggw ttgymamrwy ckkwaksgtt dgtgcaacsq ratwtkragg ttgcgggtgtt 3480  
 attaraggcm rtggaaggta ctyaatccca tmcagtgaca aagcaaatgg atcttttgat 3540  
 agaaaaattg tggtcgtcct taaaagccca aaaagtctcat agtagcttat accaaaaatgg 3600  
 tcgtagatat ttttctgaaa accccamcgg ctgcaanctt gtcatgaacc aaagtattca 3660  
 aatgcttaca gggracttta ttgataacag stgsygtgr aggactgggt tttgtcttyg 3720  
 cagattatct tccaagaca tataaaatta atctgatatt ggttgggcgc tctgatcttg 3780  
 ataaagagaa agswwtcgsr ratwcrgrmt ykgkwmaat caggtagtcg agtggcctat 3840  
 gttcagacgg atatctgcga tgaaaagaat ctccaattgg aattggatat tgcccaaaaa 3900  
 tattgtggcc ctattcaggg tgtcattcat gccgcgggca tcattgatca gaagacaatt 3960  
 ttgaaaaaaa gtcctgaaaa ctttcaagca gtattagccc ntaaaattca gggtaacattg 4020  
 attctggata acgtattgtc agcgaatca ctggatttta tatgttactt ttcttcaagc 4080  
 tcggctctat tagtgtatgc aggtatcatg gattatgcaa tggctaactg attttgatg 4140  
 gcccatgcac agtatagaaa tacctyggta tctgaargaa aamscaaggg raagacmctg 4200  
 kttwtctcat ggccgcctg gaatgtgaaa ggaatgggat tgaatggact ggaatgagaa 4260  
 cgtgaaamca ragttctwty ttaagtccaa gcgggcaasg tctattggac ataaaggag 4320  
 gttgtgaggt tattgaacac attrctggct caggattatt ytcagtgtcy tawattggst 4380  
 gkgaggaaaa accngtatcw aacaattttt tgggtctcac acaaagatgt ttctnacctc 4440  
 acaagtgagt caagggcagg magtrawgaa cwwasrrswk kmykkrrass ksyamyaaac 4500  
 gagctgagat agaagacttt aagtgttgaa gaatgtatta ttttggactt aaaaactctg 4560  
 attacagagc aacttaaaat acccatcagc tcatctggat gtagagagta atttagcaga 4620  
 ttttggtttt gattcgggtca gtttagcaaa ctttcccggt gtttaagta ttcmtatca 4680  
 ttycaawawt acgccrtstk tatttttcgg atatcctacc atagagcgtg taarccgta 4740  
 ttttttaaaa gaacmcmctg cgsttatgga ggcggttttat cagcagaaaa aaacatytw 4800  
 tagtaacaat acvctgtccg ntatagtccty tcatgtcaaa gaaaagccgw caactgatct 4860  
 aatatcatcc arcngcctct nccttttatt gcagatccat tgccccctca ggstattgag 4920  
 agtattgatg agcctattgc cattattgggt atgagtggtc gtttccaga agcgcgtacg 4980  
 gnttaagca atgtgggaga ttttatccga aggtaaaagt sytgtgcagg agattcctat 5040

FIG. 22M (cont'd)

agagcgcttt anattggcat gaatattatg aacacccatc ggatgatggtt ygaanaandb 5100  
 taatagtaaa tggagygctt gcattcctgg tattaagaa ttcgatccac aatttttoga 5160  
 aatttctcca agagaggcaa aaaarctgga cctcttcaa cggcwcttat cacaggaatc 5220  
 mtsgaatgca ttggwaaats ctgcttatgk wwwmywacrc wkwgmtmwtw aracratggg 5280  
 ataykttkat tggtrttgaw smaggktwtt atmmrrrymw gmtcaatkmr gwygacsgca 5340  
 cacwttwawc catmakrmta ttttrgcata ccmgtytgsc agtwytywtt arakyttaat 5400  
 ggscmwrssa tggcwrtwaa wrccgcwtgy tcctccgsyw tggyygcrmt tcaccamgt 5460  
 kscsysagtt tackwcarca agcaatkyga wrcgsckawk gwcscggcag cwwytrmw 5520  
 mwyacrsk sawswtkaws tggscwtgay ssawgsgrgy mtgakmysac mwgawgsyat 5580  
 amygawakac ckarnrtcam csygccaaks gcryagtgmy tggakagsmw gytgwtgcar 5640  
 tcgtaytgma acrwmtcttk sgggktttcc aaaaggggtt mnaaat 5686

FIG. 22M (cont'd)

gngatgagat	tgatgagaat	acttaatttg	gtcgaanagg	ccattacntc	tatgattctt	60
ggtgaattta	taagccaatt	aaccngtgat	ttagtttggga	atatgaaaaga	accggtttta	120
tttgactatc	ngaatattaa	tactttatcg	aatatgatcg	agaatgaact	cgaagctgtt	180
gaggtatagt	tatgttagaa	gttattaata	gatactgccca	tggatacgtg	ttcgtgccag	240
tggtattggc	cntagaagaa	aaagggtttt	ttgacctttt	tacaaggaat	agatacctta	300
catttgaaaa	aataaaaaa	gaattaaatg	ctaatagttg	ccatcttcaa	gtagccttac	360
gcatgttgca	gtctgtttca	tggatatcat	gtgatgataa	agggatatgt	ctaacagatg	420
cagcggacga	aagaaaataa	atatctagt	attttataga	gctttttaat	ttctctatga	480
gtcgcctatt	agaaaaatg	gaaaggcatg	gattaaaaaa	atggatagat	caatccggag	540
ataactgggg	tatttcaaac	cctgtattaa	ccgatttttt	ggatggtgtt	ttaatattc	600
ccttattact	agaaactga	gaaaatgggt	attttgatgc	gttaaaaaaa	gkwaatatgtc	660
taaaataaaa	attattttta	gngtgatata	gaacaatcgg	nttcgcaawg	aaattattac	720
actattttta	acaaaaaag	tggctccaag	aagaatraag	agacgtttta	cttcacaaaa	780
ntctggtcaa	tttnaycact	caacgaattt	ttattaccgc	aatccattgc	ttcttataag	840
cccatgttta	tctcgggata	acggaattaa	tgtttggtaa	tgctaggagt	attttataaa	900
agggattgca	tggagaggag	agccatgttg	accgaacctt	aaatgtttat	ggtagtggtt	960
ttcaacatca	aaagtacttc	gctgatatcg	aagcgttagt	cattcagtta	tttaatgata	1020
mtttktacga	tsraywscgg	aaatrkrkrtt	crratatggg	ttgtggatg	gggactctac	1080
taaaaaatat	ttacaatat	atcaaggaaa	aatctgcacg	aggaaaacgtg	ttgaatcact	1140
atcccgtggt	acttattggt	attgattata	atgaagccgc	tttgcaggaa	actaacaata	1200
cactggcagg	tgttgatata	agacactatg	ttttaaaagg	cgatatgggt	gatcctgaag	1260
gaatgataag	tgatctatat	gatttaggta	ttaaagatcc	tgagaatata	ttgcatgtgc	1320
gttcattttc	ggatcatgat	cgtccttata	ttgcacccac	agaggtgatg	aatatagaag	1380
cacgttcaaa	gatatattgat	cagggcgtgt	atgttgattc	agaaggtcaa	gcaatatcgc	1440
ctgtggttat	gatacaaa	ctggtggaac	attttaaacg	ctggctctgt	gtaaaagacga	1500
aacatggcct	gcttatatta	gaagtacatt	ctcttaaccc	tgaggttgtc	aaccaatatt	1560
tggatgaaag	tgaagtttg	cattttgatg	cctatcatgg	ttttcctct	caatathtag	1620
tatcggctga	ggatttttcta	atatgtgctg	cagaagctgg	tttattttct	aaacctgatg	1680

FIG. 22N

tttctcaaaa	ttatccaagg	aacttacctt	ttactcgaat	taccctaaat	ttttttgaaa	1740
aaaaagcctta	tcaaattcgt	caccggaatg	aaaatgattt	gtctgcattg	atggatttag	1800
aaaaaaatttg	tcgaccta	aatcaatg	tatgcattga	tgaccttcgc	caacgcata	1860
atgaataccc	aaaagg	tgtgttttag	aattaacaa	taccattgtt	gcagtgat	1920
attcacaaaa	gtgtattaat	agagtgttag	gactgctgc	aggtgtttgg	carswswwtg	1980
scmdhggaat	rtgbdw	dattvtba	thactbgtt	atcaatdaw	trcccaaat	2040
aaaaaaagaa	tatgccatmc	aattattaca	gtttatcttc	tatyatcat	ggtgttcawa	2100
atgatgttga	agatgttat	ggtattgatg	aatgttatca	gtgcttaaat	gagaaaaacga	2160
tacaagcagg	cagttttatg	gaaagtgat	cagttgatgt	tttatattcc	aagagtagaa	2220
aaacatat	ctaagtatcc	caatagatat	tggagtaaat	gctctggatg	cagagcagga	2280
aatggggtg	tttggtgcta	agtgttact	atctattttt	caaagccaag	gagtgatgaa	2340
aaaatcaggt	gagtattatc	aaaaagatca	attngagggtt	gatgttaaat	attattccaa	2400
aatattatcg	attatttgag	tgcttgctac	tcataattng	aaaaaagaaa	gcttatttca	2460
attcaaaaaa	atacnggtgc	aaacactttc	caatattgat	gaatttgctc	ttaacgatcc	2520
attggtntga	gtttgcttcg	tnttaagcgt	acgttttctc	ctcaatatgc	tagccttatg	2580
cgwttctac	gattaatggc	atcgtgcctt	tctcggtatt	tggaaatatt	aacaggcaaa	2640
atacaggcgc	atgacattat	ttttccagaa	nggagggatg	aatttatattg	aaggtatttt	2700
taaaggctat	caactttcag	actattttaa	tcataattctc	gcagagctga	tttatgaaag	2760
ggctanacgc	tctatccggt	gggtaatatg	aantaacaa	attcgtattt	tagaaaaaag	2820
gagcagg	ctggtggtgc	caacagagtt	tgtatngaa	tagnagcttc	mccgctnctc	2880
gaatggttat	aagagtttta	cntatactgg	atatctncgt	ccntcgttcc	ttcgttatgg	2940
gagaaaaag	agattt	gataaatatn	ccctggtn	caatataaag	tgttagatat	3000
ntgaaagnca	atttagantg	cacaagggtt	ttaccctgat	agctttgata	tnngtgtatg	3060
catcta	tnctccacga	tacgaaaawta	tatacagtat	accctttccc	aaagtgagtc	3120
acatgcta	gcaaaatggc	nttgttaatg	ttgaatgaan	tttactcngg	atgaanggat	3180
ttgttactgt	ttaccgggtg	tttgttagat	ggcctttgg	tatatgaaga	ccctaccaat	3240
cgattggata	atgtctgctt	gttaaatgtt	gatcagtg	gatctatat	atttaaatca	3300
ggctttnaaa	aatgttaaa	actttgtttt	accttttgaa	aaacttaata	ttgagcaaa	3360

FIG. 22N (cont'd)

tcaaagtatt attgtctctg agtgattaa tgaagacctg tctagtaatg nttgaaaatg 3420  
 tggtagaaaa taatcanttg ttttagaaat acaaaatcac tcntgatncc gattactngt 3480  
 ggagnaataa aattagntta caattnaaaa gacaantcmc wtcgttanca caatagtatt 3540  
 ggaagaaaaat atttttataa aattttagnng gggataaaaa gaaaattatn ggatttttct 3600  
 ccntaaacgc ccctttgatt ggagtttatg ggttgattc atattcgaac ctacnttggg 3660  
 anttaaagat cattactcgg kragcmtyt tcyataaaac trgaasmtac tttkktmtky 3720  
 mawkatkraa yrmtkscckm rsctmtytgw kwcmccsay atsattcmag wtrascytsr 3780  
 wattrtcgnt arakwcccta ttacggaaga gataatgact ggaggtacgt caagggtaar 3840  
 aacagggcaa tcgaatsaka atgaacctat tgcgattatt ggtatgtcyt gtttatttcc 3900  
 aggtgaggtt acgacagttg atgagttctg ggaattatta atacaagaaa gacatgccrt 3960  
 tcaaccctta cctaagggac gttggcaatg gccakaaagt gtgatccat cgggagcaca 4020  
 acttggcatt gatcaggggt gatttctgga tggattgat acctttgatg ccsacttctt 4080  
 tcgtatatcg agaaaagaag cggagttwat ggacctcas caaagaaaaac tacctggaat 4140  
 taarttggca ggtcatasag catgccggat ataaacccat cgytttttcc tggtagaaga 4200  
 natygyytc tatgtgggtt gctttgtcac cgtaattta tatgggagtt atttaactaa 4260  
 aagtgaccaa angccctaaa aaccaaccgg naaggcctat ttccatgacc argtartana 4320  
 ttgttggtcg tytttmccc aataanaatt ttcctatttt ntattaattt tttaaaargtg 4380  
 cccmscstcc tctwtctgat wccngccttg ttcaaryagt tttaggttgc ctwttttgacc 4440  
 caancarttt tatgcgnatt caattcgggg nangngtga atcaggcntc tggtaggntg 4500  
 gggaycaatt waatrctccc tccsmrtgaw accggtttct tnattayywa gcaggtntgt 4560  
 tntcaaaaatc ngggaatgta aacctttnga tccaccgcc gtbggttttn tncctgggna 4620  
 aagggggcgc tnttcttttt ttnaatcntt ttctcancct nattttaaaa ngattgtttt 4680  
 ttngggggttt taaagggggg agatnaaaat nggggggcaan cattnnttac ggcctaac 4740  
 tnnng 4744

FIG. 22N (cont'd)

gangattcct	nconctnccc	attgaaaaaga	ggatggattn	gancatatgg	gtgtgcctgc	60
aagaagataa	gtcaatataa	tgtaactcag	aaaaatcaat	tccaaaaatg	aatacccccnc	120
aatcwataca	aaaaawattg	awagattttt	kggtkgacat	tactaacctt	ttsgaggcna	180
agacatcmat	ccmrghmga	tgctgggtga	ctatgggtgt	gattccatta	ttaggtatga	240
gatttyttaa	tcgaattaac	cyccaccctt	aawatagaag	ctgatgcctt	attactaaca	300
gaaggaacga	ttmaccagta	tatctcataa	arkwcmttct	tttatgtgtg	ataaaaaaaa	360
ttaccacaatg	ttaccaaaat	ttggattaga	aaatgattct	aataaagaaa	ataaaggctg	420
ggtaaaagcct	tcttttatgt	aatttattaa	atttgaatc	aatcctgaat	atatagaaa	480
cagtacaaaa	aataaagatt	acgcgattct	tgaaaaatcta	ataaataatg	gagttggagt	540
ttggagagaa	aataatcatc	tatgttttga	gtttttttat	gaaactcata	caaatgaaac	600
aattaaaaaa	atagtgtttt	caccggaaat	acttttttaac	tctctagata	aaggtaaacg	660
atactttcca	agtagctgcc	agcaaaaaaa	cagtcctatat	caaacgggaag	ttgagaagtt	720
tcataataat	cttattcaag	gattttagagt	ggaaatgccca	gtcaatatgtg	aaattttaaa	780
taaagcattt	aatcattttgg	ttaacacata	ttcaatttttc	agaacaaaag	caatgttgat	840
caataagcaa	tggatttcagg	taatacatga	tggttttatca	gtaagatgcg	aaganaatta	900
yatacgaagg	attatctgca	ggaaaaaagat	tttacgcaac	aactaatnag	tatttcaaaa	960
agagcaaggt	aaaaaattat	ttgatattcga	taatctgcct	ttattaaaaa	tttattttat	1020
ccataatggt	aaagactttag	cagctatttt	tgttcatgcy	catcattttt	gtgccgatgg	1080
atttacattt	ttttcttttc	agaaagaatt	tcatgatact	trtgaaaagta	ttatraaacgg	1140
antgrrwat	ccggaaaacgk	gttcsawaaa	gtgatggctg	aatatggcca	ctttgcattg	1200
tgtgaatata	atcccaaaaa	caaaggagctg	acaaaaaaact	ggcttgataa	aattcgagat	1260
aaaaattttt	ctttaaaaat	taaagataag	aaagactatg	tcggtcaact	gtcaagtga	1320
gaaaaaatta	ttgagctaga	agtttctgta	aatatgctgg	aaaaattaa	attatttaat	1380
gatgcgaata	ataccacact	gacgcaattg	ctatgttgtg	ctgttgcaat	tttactgtat	1440
cgctctcga	ggctaccagt	acccttgcaa	atggtcaaca	gccgtagaga	taaaaatagaa	1500
tttgaaaataa	tgatgggtga	ttttgcatca	actctgccct	atggatttta	ggaacctttc	1560
caaaagcatt	ttctctattc	cnnggatggt	ccttttttaa	gttattggaa	aaanggaaaa	1620
agcctnttnaa	ttntcccccc	naggattttt	taaanggggt	ttggatnntt	tntcngggaa	1680

FIG. 220

```

ccctcaanaa aaaaaaaatt tntttccaaa aaaaaaaggg gccctttaa ntccccatta 1740
aggaatttt tttaaattttt taatttcccg gnaaaatta ttnttttaa ttccggaatt 1800
aaggccnaan tggaattaat tggnaaaatt tccantttgg gtttttaaaa aggggaaaaa 1860
ncccannaat ttgggtttcc ttaaaaaanaa aaaaagggg gngggccccc cgttgggttc 1920
ntnntgggg gnaaaattt aaaaatttaa ttn

```

FIG. 220 (cont'd)

FIG. 22D

ctgcgcgatt	ggcagagacc	gctgattgat	ggaaaaaacag	tgccgagagt	tgcgggtgtc	1800
ttttcatttg	gggcaggttg	ttccaatngc	nttacgtggt	gattgaagag	tatatcgca	1860
agataccgac	aaataaacacc	agggaatcta	taaaccatag	gtctattatt	ccattatcag	1920
cacgaactgc	tgagcagttg	cggcaaatg	ccagtagatt	gctggcattt	attgaaaaa	1980
acaagcaaga	cagcgtggtt	accccttaa	tagatatg	ttatacattg	caggtaggac	2040
gcgaagcaat	ggatgaacgc	ttgggggtta	ttgtgagttc	aaccgatga	attagtcgaa	2100
gaactacgaa	gatatttca	aacacacgat	gatatggaag	agctttatcg	aggtcagggt	2160
aatcgatatg	aagacacctt	tcttactatg	gcggctggat	ggaagatctc	tcttgagggt	2220
atcccaccca	tttgggatta	aaaaacgaaa	aactgggtctt	aagtttaaatg	ccaattattt	2280
gggattttaa	aggggtcttt	gtggatttaa	wtkgggrkr	agwtataassw	tkkyyttmcca	2340
aargrkgwtw	ktccycsgcr	matkarmkka	ytacctrctc	yttyggcrgs	matattttta	2400
rgwtkktamm	swtyrnmccc	tcwtwcctyt	tktgrccc	aggnccaaa	tttatattng	2460
tttgnngggg	atttngtttt	aaaaaagaat	tcggttaanc	ccacnccn	ttaaaccttc	2520
atatttgggg	gnaatgggtt	ttattggnaa	cccatccna	aaacccaaaa	ngggcctttt	2580
ttttttccat	tccnaaaaaa	accaaatttt	ggcccccttt	ttgggggggg	gaaaaaaaaa	2640
accnnaangg	ggaaaaattn	tttttaaaaa	aa			2672

FIG. 22P (cont'd)

SEQID NO:35

FIG. 22Q

```

yytycrtart twwtaattyw maarstatna mttwttcaww attcctatyg tnaawwaccc 1740
ywatTTTTkkw ktaaaaamcag cycatwttw wyyssskgtm attwnyycc nctttwtrw 1800
wmcccmmytt gcgrrcsgtt ttttcgk kgtttcrwc akagaatctm mmsycctttt 1860
ytygcmmma anmrnttaa acmmmtwrc ttttytttrgr kggsgycccc cncccnsggg 1920
gaancccca antgggtccc cnnttttggg gggggggntt tngnnaangn aaaatttttt 1980
tttcatgccc nnanaaaagg tcctccgca accttttta aaaaataanc cntcccca 2040
aaaanttggg natttgggan tgggaattaa aaaggcccc tttttacccc cccngttaa 2100
attttaattc ccccttttt tgggtccggg cc 2132

```

FIG. 22Q (cont'd)

nnaccaattt	tccgaaaccc	aagncathtt	gaaaggggtt	tttggggccc	ggggttgaaa	60	SEQID NO:36
aaaaaaang	ggttttttgg	ccccccccc	nnagnaanta	aaaatgggta	aggaacncgc	120	
ccccccact	tggaaaacct	tcccnaaaa	aaaataaaaa	ggcnttttga	attttttaac	180	
naaaatnncg	gggntgggc	cntttaana	accccccnt	ttncaaaaaa	tgcgarrgk	240	
gggyctccwr	rnaytyaaw	awgramsgk	tawtmcwa	ktgrggggwn	ttwtatcawt	300	
aaaggnssgg	ggktytawkw	tttawraar	ggragcttta	graaawaaaw	arwcmgtkgk	360	
ktttaaraga	rattkwwaar	rraactggrw	traaktwww	rwrttatwat	anaaatrkkw	420	
aakggwwrta	tagagggaaa	aaaattttaa	ggataaatga	argaaaaccca	tcwccattta	480	
ttttccaaga	sgaccaaaaga	aatgataga	gttgttaaat	ttatggrtgc	gtaaaaaaaa	540	
attttcccaa	awttttaawt	yccttgggtt	aaaggattaa	acmcttgrrt	ggaagcaatt	600	
atatggtaaa	gaacmtccag	ctcgtattag	tttgccawgc	tatccttttg	ccaaagagcg	660	
gttattgggt	ggatactgat	aagtttagtcg	acggtagtta	tytcaaccct	agrcaaagagg	720	
gaatwaatac	agatagtgat	aagtttgatg	aaaagcttta	tgaatccttg	ttggacaatc	780	
ttttttccaa	aactatgacm	cctgatgaag	ctattaaagt	aatggaagag	gaggtatcat	840	
gaaaaaatta	attaaattga	tttatgaaaa	agtttttgaa	aataaaactat	caaaatcaga	900	
agccttgctg	ttgatttagtg	gattgaaggc	gagcaatact	actatccttc	atccccctat	960	
acatgaaaaa	acgtcaagtt	tttttgaaaa	aaaattcagt	tcaacttttt	ctggtagaga	1020	
attttttctt	cggatagatg	ctaaccctaa	aaaaagtgtg	ttatctcctg	taacatacct	1080	
tgaaaatgggt	tatgctgcag	caacaaaggc	aatggctggg	gagaaaathtt	cagcgcaatn	1140	
ttaaaaaaaat	tgagtggcaa	tatccagcta	ttgttcatga	agagtcgata	acagttcata	1200	
ttcgtttttt	taaaagatcca	aatacctggg	tggatacaag	tgaggagaaa	ttttttatgct	1260	
atcaaaattta	cacaatttca	aataatcaag	aaacananag	gatattgttc	acaaccgggg	1320	
tgtaaatagat	tatgatcata	aaaatagtga	attaagtcca	cttgatathtt	tttcactaca	1380	
aaagcatatc	agtgaatatt	ttctagaccc	taaagaggat	agtgattttt	ttgaaaaagag	1440	
cgataaaaagt	aatgagccct	attatcagag	tattgaattg	ttacatatata	attttcagaa	1500	
agaagcgctt	ataaaaattat	cgtttgatca	cgtatcagga	tacatatatac	catcaagagt	1560	
cattgggtttt	acatccagat	atactggagt	tggcctttaca	atcctgtagc	ttcttatgcc	1620	
ttgatatggc	agatactgga	atctgagttt	ttcggggggag	ttgcagccca	gtgagtggta	1680	
gatgctttta	tcaaatncat	gtctcggctg	gtccagggac	ctcaaatggg	gggktttggg	1740	

FIG. 22R

```

ttaccggcctt aacarsyttc catggaagg taggnnttaw atagscrcaan tatttgccy 1800
tkggtgrtgg aatrawrgtw atkcskggg wccwgstamw wagggttggg ttytcaaac 1860
cawawraamm skgttttytg rrkwttttt tssmmmgcc scnaaatng aacccccnn 1920
ngngtaaaanc ccnngaaat tnntntttt ttttncccc gnncccaan cnaagaaang 1980
aaccttncg nggttttggg caattaaat taattagggc aaacccccn ttaatngaa 2040
gggggncca ntggnggt tttttngga aaaaggagg gnaaaagg gnaaaagg 2100
ccccccaaa ntnggtttt aaaaaggga aaaaaaatn aaccgtttaa aaaaattnc 2160
ccccaaant

```

FIG. 22R(cont'd)

FIG. 22S

ctaggaccgc ggggatctct tctttggtg cgggaggac gaatgcacat ataataatc 1800  
 aggagtatat tccagaagtc agtcagacac gacaatcaga ggtcaggaat aaaccagctc 1860  
 acccgggtggc cattctgcta tctgcgcata ctccgctca gttactgaag atggccgagg 1920  
 cacttttact atttattcgt accatagtga ataatatgga ctcatcctat tcggcagggg 1980  
 atgagatgac tcaacttggta aatgtagcct atacattaca ggttggacgt gaagctatgc 2040  
 aggaacgcct ggggtttgtt gtgaattccc tgagtatat tgaagtgaat ctacaaaaa 2100  
 ttattgataa ggaataatgat attgaagact ttatcggga tcaaatcaag actaaaaaag 2160  
 aaatctcagc tctatttaat tcggatgaag atttgcagga agtgattaaa caatggatgc 2220  
 gacaaaaaaa actatccagg cttttgtcac ttgggttaa gggagttcac tgtgattgga 2280  
 acttcttgta tcaacatatg cgaaccaaaac cttatcggtt acattttacca acgtaccat 2340  
 ttgcttataa tcgatattgg attgatgata ataataaaaa tcaatcgact gtagttgaaa 2400  
 aaaccaaacac tattattaaa gagagaaaaag agcaagttag attagagccg cttgatttta 2460  
 tggaaaggaa aaaacttaat gtccatgaaa aaaagccatt tcattgttct ttatcaactc 2520  
 aatcagaggc ctggtccggg gcgaacactc agacatccag tggtaaaaaa agacgatctt 2580  
 atgtacaggt gcttaaacaa gacgatatat taagggatct taaatcagcg ctgcctacag 2640  
 ctggtgaagg tatgatacca acattaaatc gaactggtgt catgacagaa agcttaagct 2700  
 cctactcaga agcatttgca aactatgctg gtatgtgtgg tggagaagta ttggacttgg 2760  
 ggtgtgccta tggaaattgca acgattgcag cgttggagcg aggggctcaa gtattagccg 2820  
 tagatatgga ggcacagcat ctggaaatat tatcagaccg tattcgggat gaagtgaagt 2880  
 cgcgtttctc gacacaagta ggcaagttgc tggatcttca ttttgatcaa gaacgttttg 2940  
 ctgcgatcca tgcgagccga gtgctacact ttttaaaccc acaggatttc cagcaagcat 3000  
 taaaaaaaat gtatggctgg ttaaaacccg gaggaaaatt atttattgtg acggataccc 3060  
 cttatatggg ttattgggcg agcaaaagcag gggtttatga aactcgtaaa gcagcagggg 3120  
 atttatggcc aggtctacata gataatgttg gttctcactt taatactaaa gagatagaag 3180  
 gggccccaac tctgatcaac ccgatggacc cggaaatact gcatactgaa tgcaaaaaa 3240  
 ttgggttttca tgtagaagag actgtttttt ttgcaggaga agcctttgca ctaataata 3300  
 gtttagaaaa atcaggtaga gagcatgttg gtataatagc attgaaagccg gaattggaag 3360  
 attccgacag gcttgagaaa tcgctattgc cagtacggaa aactgaaacg gagaataagg 3420  
 aaattagcct actgcaata cagacaatgc ttaggagagag tcttgaattt gaattggata 3480

FIG. 22S (cont'd)

tagagccgg tatgttgat gagtaaaac cttttacaga tttaggggtg gactcgataa 3540  
 atggagtcac ctggatacga aaatcaata gtcactatgg attatctatg actgcgacga 3600  
 aagtatatga ttaccctaat attattgagt tggcagagtt tttaagaaaaa caaattattt 3660  
 cgaatgatga aaagcagcat caaccatcta tatcaacaat atttccact tcattggatg 3720  
 aattattgaa aaaaatacaa gaaggtactt tagggattga agaagccgac caattaattg 3780  
 atgaactacc tgattaccat ctagatatgg aactccatga gttgttataa gggaaaagcga 3840  
 ggtattttttg tgtcacacgg atggatggta aaaccatttt ggctgaaaaa aatttagctc 3900  
 aaatcggcgc agcttttgctg cgtccgagtg atttgacttg ttatggtgaa ctcaactatg 3960  
 ctgtgacggc atttccttac ataagtaggt gaaaaatgga aacaattagt gtaaaccaat 4020  
 ttagagacaa ttgtgaaaagt ttgtagaac agcagtttag cagcatgag ccaattaaag 4080  
 taacgcgcag agccagtga gctttcgtcg tgataagtgc cgatgattgg gagcaagaac 4140  
 aggaaaagcct ttatattttt cagaatagtg atttgatgca acaaatgca gattcgcttg 4200  
 gtacgcatac tcagggcaag ggatacaaac caacggataa tgagttgaat gaaatcactg 4260  
 gtgcttgaag gccatacctg gaaaaactgg gaaaagcttt gcgagcaaga taagcggtta 4320  
 cacaaggcgt tatgcaaaact actcaagaa atgcttcact cggaagatct aacctccgga 4380  
 ttaggtaaac ctgagccgct taagcataac ttatctggct tatggtctcg gcgcatttcg 4440  
 caaaaagacc gactgataa tcgctttatt ttcgctatcg gtggtcacta cgatcaacat 4500  
 ttagttgcc aacgccata acaagggaac atatgaagcg cagcggaatc ttttcccttg 4560  
 tggttacgct tgttataagg ttgtttattc atttagactc cctctgtgtt tactgcaytg 4620  
 tgtggtagcc agtccagtcc acgttttttg kgggcsrwt tcaatgtgct tgtatacac 4680  
 ttagatgtcc gaaaakgraa mcamcmcc attgtatat tyttttaact caatggataa 4740  
 atgttttata gctaaactgtg aagcttcgat tgcctgatg aactcacgat catttttctc 4800  
 tgattttttca taaaaggcgt taggtgaaaa tgaagctgggt tctgattttt tatgtacagc 4860  
 ttatttcctg aatctaatta aaactttcat atattgat atattgctttg atttatcaat 4920  
 ttctttttcca gtaataattc gtgtgcaaac tagccattta gaaataatat ctaattttatc 4980  
 taagtgtctca acaaccgtat ttgtcagaca aaatgacgag cagaaaaatc wtagactgta 5040  
 tattctttaa tacwtagagg acaattwtcm cacaaaagat wtcttgctc cactgaggct 5100  
 atttcttttyt tgkaatcttt atccctaata ttttcccgag ttagtgacca ataattttata 5160  
 tcatwmaggt actctgtaag ccgataatac cttttgctta tatcccaata attgggacca 5220

FIG. 22S (cont'd)

aaaaaagtgc aaaagcgtgg gcgcagatcg agaaatttat tccgttgagg aatagactat 5280  
 ttgcatcaat tactgctcaa wgccgctgaa aatttctgca aattggtaag ggctttacgt 5340  
 gttttgtctt gtacawagct gttctattca gcaggagaca aacatggatt agcaagtatg 5400  
 ggtgtagtta tcaactkaaa aaatcattgg cagtatagtc aactcattga aagtcctata 5460  
 ttaacgtcgc cgaaggttaa atagttttta cgatgagatg taggcattgt gataaatgtg 5520  
 ctgcacatca tcacaatcat tcagcatatc cataaacctc tcgaacatct taacatcatc 5580  
 tcccgtcact ggagtgttg tttgaggaat aaattggatt tcgtcgacat crractgaag 5640  
 cttttcaaa gcttcagata acgcttgctt ggccttaaaa tattcagtat gaggaaccag 5700  
 tacgctgac ttaccgtttt ttgcttcaat atcggtgaca tccacatttt ccatcattaa 5760  
 tgtctccaat acgactttct cgtcatttcc agtgaaaaa aggattgcac aatgattaaa 5820  
 catatggcta aactgcctt gggtaaccaat cttgcttttg gttttggtaa acaaaatagc 5880  
 cacatcaccc aaggtgcgat tggggttacc ataacggagt gscaawaaag tyttccmcc 6000  
 tttagctttg tytagggcct tttgaaataa cgtgggcttg gaancttggg ttttttttgc 6060  
 tttatctatc catactgct agagcaagat taccttcttg atcactccc cntgatttt 6120  
 gcacagacat aaattgcgcg accataattg ctgtagactt tggctttggc atcggagggt 6180  
 ttagccattg attcttttgcg gttctgatac tatcgaccca ttataaacc cctgattttt 6240  
 attgaacgaa gagtggattt tacaggtaac tatgagtatg gggaacctgc taatagtmw 6300  
 ckwtgtccm wtatymarra ttgcyggttg ttgtygcttc tgamtaaac ctcaatattt 6360  
 gatagattca ctgaatcatt atcattaatg ggtttgataa gtatttataa gaggtttgcg 6420  
 gtatgatgca gtttghtaatt acctcctccc ccataataat aatgtactgt aaggaaactc 6480  
 aatgtcttac gattatgatt tgtttgtgat tggtgccggg tctgggtggg tgcgtgcgag 6540  
 tcgtattgca gcaggccttg gcgctaaagt cgcggtagct gaggatctct tcttggtgg 6600  
 tactttgtgt aatgttgggt gtgtaccaaa aaagcttttg gttctatggg tcacmttttt 6660  
 ytgaagagtt traascagcc gcagggtttg gttggacaat agggtcacat tcttttcatt 6720  
 ggccamcatt acgtgacaat aaracaaaaa aaatcgagcg tcttaatggc ggtttatcaa 6780  
 aacctcttag aaaagtgcgg gagtcgatat tattaatggg cggggcgacc attattgatc 6840  
 ctcatagcat agcagttggg gacagacagt tttactgctg aacgtatttt agttgctggc 6900  
 ctgccattcc tgatattcca gggagagaa atattatcag ttnctaacga agtgkktwt 6960

FIG. 22S (cont'd)

ckgraagmsk	wmckaaaaws	srwwgctgtc	gtagggggtg	gctatatgtc	tgttgagttt	7020
gcaggtat	ttcaagggtt	gggtagtgac	attcatttat	tgtatcgagg	tgatttat	7080
ctaaggggat	ttgatcgaga	tgttcgtgaa	tttactgcca	gtgagatgat	aaagaaaggga	7140
gtaaatttac	attttaatcg	cagtgtttct	gctattgaaa	agcaagtggga	tggtagccta	7200
ttagtgggat	taactgatgg	ctcaaccttg	gaagtggata	ctattatgta	tgccacaggt	7260
ygaaaaaccar	rmmyygaggs	wyrtgktyt	ksawwrkrsc	gctgtmaas	krckyaaaaw	7320
gggaagcctt	tycaagtnta	actgakaayt	tttcaaanca	agcagaagcc	wbtytawttt	7380
aygcaagtwa	gggawtgtt	aatagaccgg	tatgncaatk	aacvccaagt	tgstctsggc	7440
tgaarggtat	ggmcttaagc	mcagctttta	tattagtgc	tmcagtggat	taataanggt	7500
agattatggg	ttttsgttc	cmagaaccgg	ttttnttgc	caamcccaan	tatgggcacc	7560
gtaggttata	gtgaagagcg	ggccaagrgm	wragtttgat	acggtgbctg	tttadaaatr	7620
gatttttaa	ccagatgaag	ncatacgctg	agtncttct	tngatngagc	ggactttttg	7680
tgaagtnwat	tagtagancc	aaaacnmcag	ataragtcac	aggttgtcat	atggtaggcg	7740
ctcracgcgg	gagaaatctt	gntattgccca	taaaggcagg	agccacccaaa	gcagactttg	7800
atagcaccat	aggtattcac	cctacggttg	ccgaagagtt	tgtgactatg	agagagcctg	7860
cgtatatatt	atagcaatag	gccaagggca	gctacttggt	ttagtaaggc	tatttttaca	7920
aatagtacca	tcagataata	taktgcggtg	gtttacgttc	yamtgaatca	kcagtkgtma	7980
wakkagtcac	atagcaygms	gwrtkatatag	kgkattcata	yyrtrcawaa	syaaaykckgt	8040
cgtcgagggga	yataatkctc	akrataatat	wrttcgasw	cctgtysakk	ccwaccacr	8100
satacywssc	aaagarttgy	agtratacrag	ckwtgsakws	tgamcngtgs	matnakgttc	8160
aacgcatkcc	ccagcctkat	agcatcygac	caytsagggc	caawrkmgmt	taaycccagt	8220
gtwcngttns	atrnrsgacs	mgktaatggg	mgtgtwtst	wrkawgccsg	mtctmmaaa	8280
mcmnsanngmr	acgtacaaagm	rtgwcaaccmg	krkgytrya	snmattmgct	atcamrcnca	8340
yssrrgggkk	ggycttmawa	ararggggcaa	aaaaaaaaa			8380

FIG. 22S (cont'd)

Lys Leu Gly Asp Pro Ile Glu Val Glu Thr Leu Ala Glu Ser Phe Arg SEQID NO:11  
 1 5 10 15  
 Val Tyr Thr Asp Lys Arg His Tyr Cys Ala Leu Gly Ser Val Lys Ser  
 20 25 30  
 Asn Ile Gly His Leu Gly Val Gly Ala Gly Ile Ala Gly Val Thr Lys  
 35 40 45  
 Val Leu Leu Ser Leu Gln His Arg Met Leu Pro Pro Thr Ile His Cys  
 50 55 60  
 Glu Asp Val Asn Pro Gln Ile Ala Leu Glu Gly Ser Pro Phe Tyr Ile  
 65 70 75 80  
 Asn Thr Glu Leu Lys Pro Trp Gln Ser Gly Asp Gly Ile Pro Arg Arg  
 85 90 95  
 Ala Gly Val Ser Ser Phe Gly Val Ser  
 100 105

FIG. 22T

Lys Leu Gly Asp Pro Ile Glu Val Glu Thr Leu Ala Glu Ser Phe Arg SEQID NO:12  
 1 5 10 15  
 Val Tyr Thr Asp Lys Arg His Tyr Cys Ala Leu Gly Ser Val Lys Ser  
 20 25 30  
 Asn Ile Gly His Leu Gly Val Gly Ala Gly Ile Ala Gly Val Thr Lys  
 35 40 45  
 Val Leu Leu Ser Leu Gln His Arg Met Leu Pro Pro Thr Ile His Cys  
 50 55 60  
 Glu Asp Val Asn Pro Gln Ile Ala Leu Glu Gly Ser Pro Phe Tyr Ile  
 65 70 75 80  
 Asn Thr Glu Leu Lys Pro Trp Gln Ser Gly Asp Gly Ile Pro Arg Arg  
 85 90 95  
 Ala Gly Val Ser Ser Phe Gly Val Ser Gly Thr Asn Ala His Leu Val  
 100 105 110  
 Leu Glu Glu Tyr Thr His Arg Val Thr Ser Pro Leu Gln Asn Thr Ile  
 115 120 125  
 Leu Pro Gln Asn Gly Leu Phe Ile Val Pro Leu Ser Ala Lys Asn Asp  
 130 135 140

Glu Cys Leu Asn Ala Cys Val Glu Arg Leu Leu Phe Phe Leu Lys Ser	160
145	155
Arg Gln Ser Asp Thr Tyr Lys Lys Tyr Ser Leu Ser Asp Thr Ala Pro	175
165	170
Ile Leu Leu Asp Leu Ala Tyr Thr Leu Gln Val Ser Arg Glu Ala Met	190
180	185
Thr Lys Arg Val Ala Phe Val Val Lys Thr Thr Ile Glu Leu Met Glu	205
195	200
Lys Leu Asn Ala Phe Ile Glu Lys Lys Gln Asn Thr Ile Lys Ala Ser Asn	220
210	215
Ile Lys Gly Cys Tyr Tyr Ser Ser Thr Lys Thr Ser Ser Pro Phe Asp	240
225	230
235	235
Asn Glu Ser Thr Asp	245

FIG. 22U (cont'd)

Arg Leu Gly Asp Pro Ile Glu Leu Ala Ala Leu Ser Lys Ala Phe Glu SEQID NO:14  
 1 5 10 15  
 Glu Gly Thr Gln Arg Lys Gln Phe Cys Gly Ile Gly Ser Val Lys Ser  
 20 25 30  
 Asn Ile Gly His Leu Asp Val Ala Ala Gly Val Val Gly Leu Ile Lys  
 35 40 45  
 Thr Ala Leu Ser Leu Gln His Arg Leu Leu Pro Pro Thr Ile Asn Tyr  
 50 55 60  
 Glu Ala Pro Asn Arg Glu Ile Asn Phe Glu Gln Ser Pro Phe His Val  
 65 70 75 80  
 Ile Asp Glu Leu Thr Glu Trp Arg Gly Gln Gly Gly Pro Leu Arg Ala  
 85 90 95  
 Gly Val Ser Ser Phe Gly Ile Gly  
 100

FIG. 22V

SEQ ID NO: 16

Gln	Leu	Gly	Asp	Pro	Ile	Glu	Leu	Gln	Ala	Leu	Ala	Asp	Val	Tyr	Arg	1	5	10	15
Val	Asp	Asn	Trp	Arg	Lys	Asn	Thr	Cys	Ala	Leu	Gly	Ser	Val	Lys	Ser	20	25	30	35
Asn	Ile	Gly	His	Thr	Ser	Ala	Ala	Ser	Gly	Val	Ala	Gly	Ile	His	Lys	40	45	50	55
Val	Leu	Leu	Ser	Leu	Lys	His	Arg	Gln	Leu	Val	Ala	Ser	Leu	His	Phe	60	65	70	75
Asn	Ser	Ala	Asn	His	His	Phe	Asp	Phe	Gln	Gln	Ser	Pro	Phe	Tyr	Val	80	85	90	95
Asn	Thr	Gln	Leu	Arg	Pro	Trp	Asp	Gln	Ala	Glu	Gly	Leu	Glu	Glu	Ser	100	105	110	115
Arg	Arg	Arg	Ala	Ala	Val	Ser	Ser	Phe	Gly	Val	Ser					120	125	130	135

FIG. 22W

SEQID NO:18

Glu	Tyr	Gly	Asp	Pro	Met	Glu	Leu	Thr	Ala	Ala	Ala	Val	Phe	Gly	15
1				5					10						
Arg	Gly	Arg	Asn	Gln	Lys	Asn	Arg	Leu	Leu	Val	Gly	Ser	Val	Lys	30
			20					25							
Asn	Ile	Ser	His	Leu	Glu	Ala	Ala	Gly	Gly	Ile	Ser	Gly	Leu	Ile	45
			35				40								
Ala	Val	Leu	Ala	Met	Gln	His	Gly	Val	Ile	Pro	Gln	Gln	Leu	His	60
			50				55								
Lys	Glu	Pro	Ser	Pro	His	Ile	Pro	Trp	Lys	Arg	Leu	Pro	Leu	Asp	80
			65			70				75					
Val	Gln	Glu	Gln	Thr	Val	Trp	Pro	Glu	Ser	Glu	Glu	Arg	Ile	Ala	95
						85				90					
Val	Thr	Ala	Ser	Asp											
															100

FIG. 22X

[illegible]

FIG. 222

SEQID NO:22

Ala	Leu	Gly	Asp	Pro	Ile	Glu	Phe	Gly	Ala	Ile	Lys	Ala	Val	Tyr	Gly
1				5					10					15	
Pro	Gly	Arg	Ser	Ser	Pro	Leu	Val	Leu	Gly	Ala	Leu	Lys	Ser	Asn	Ile
			20					25					30		
Gly	His	Leu	Glu	Ala	Thr	Ala	Gly	Val	Ala	Ala	Leu	Ile	Lys	Ala	Val
			35				40					45			
Leu	Val	Leu	Gln	His	Gly	Val	Ala	Pro	Ala	Asn	Leu	His	Cys	His	Lys
			50			55					60				
Leu	Asn	Pro	Leu	Leu	Asp	Ile	Asp	Gly	Phe	Asn	Val	Val	Phe	Pro	Gln
65					70					75					80
Ser	Glu	Thr	Pro	Leu	His	Ser	Ser	Leu	Gln	Leu	Leu	Gly	Gly	Tyr	Gln
				85					90					95	
Phe	Val	Arg	Val	Trp											
				100											

FIG. 22Z

Thr Trp Xaa Ser Leu Leu Arg Trp Gly Leu Leu Gln Asn His Phe Asp SEQID NO:24  
 1 5 10 15  
 Pro Tyr Thr Glu Lys Lys Asn Tyr Cys Ala Ser Gly Ser Val Lys Ser  
 20 25 30  
 Asn Ile Gly His Leu Thr Ala Ala Gly Val Ser Gly Val Val Lys Val  
 35 40 45  
 Leu Leu Ala Leu Lys His Lys Gln Leu Pro Pro Ser Cys His Leu Val  
 50 55 60  
 Lys Ile Asn Glu His Ile Asn Leu Glu Asp Ser Pro Phe Tyr Ile Asn  
 65 70 75 80  
 Thr Ala Leu Lys Lys Trp Glu Val Ser Glu Gly Glu Ala Arg Arg Ala  
 85 90 95  
 Ala Val Ser Ser Phe Gly Ser  
 100

FIG. 22A

Pro Leu Gly Asp Pro Ile Glu Met Ala Ala Leu Lys Gln Ala Phe Gly SEQID NO:24  
 1 5 10 15  
 Thr Gln Lys Lys Lys Tyr Cys Ala Ile Gly Ser Val Lys Ser Asn Ile  
 20 25 30  
 Gly His Ala Asp Thr Ala Ala Gly Val Ala Gly Leu Ile Lys Thr Val  
 35 40 45  
 Met Ala Leu Lys Ala Arg Gln Ile Pro Pro Ser Leu His Phe Glu Thr  
 50 55 60  
 Pro Asn Pro Gln Ile Asp Phe Ala Asp Ser Pro Phe Tyr Val Asn Thr  
 65 70 75 80  
 Thr Leu Lys Asp Trp Asn Thr Asn Gly Val Pro Arg Arg Ala Gly Val  
 85 90 95  
 Ser Ser Phe Gly Ile Gly  
 100

FIG. 22BB

Val Val Gly Asp Pro Ile Glu Val Val Gly Leu Thr Lys Ala Tyr Gln SEQID NO:28  
 1 5 10 15  
 Ala His Thr Gln Glu Arg Gln Tyr Cys Gly Leu Gly Ser Val Lys Thr  
 20 25 30  
 Asn Ile Gly His Thr Asp Ser Ala Ala Gly Ile Ala Gly Leu Leu Lys  
 35 40 45  
 Ile Val Met Ala Met Lys His Arg Gln Leu Pro Pro Ser Leu Asn Phe  
 50 55 60  
 Glu Thr Pro Asn Pro Asp Leu Asp Leu Glu Asn Ser Pro Phe Phe Ile  
 65 70 75 80  
 Gln Thr Lys Leu Lys Asp Trp Glu Ser Val Gly Pro Arg Arg Ala Ala  
 85 90 95  
 Ieu Ser Ser Phe Gly Leu Gly  
 100

FIG. 22CC

Met Val Val Val Glu Glu Phe Phe Val Ser Tyr Arg Asp Ile Leu Lys SEQID NO:38  
 1 5 10 15  
 Ala Leu Gln Asp Glu Lys Ile Ser Phe Glu Glu Ala Lys Tyr Lys Leu  
 20 25 30  
 Ile Lys Arg Lys Asp Lys Lys Ser Lys Gln Arg Leu Asn His Asp Arg  
 35 40 45  
 Glu Leu Asn Arg Ser Met Asn Ile Thr Pro Lys Ile Val Asn Asn Tyr  
 50 55 60  
 Gly Leu Val Leu Leu Gly Gly His Leu Phe Glu Glu Leu Arg Leu Ser  
 65 70 75 80  
 Glu Trp Lys Ala Ala Asn Pro Asn Pro Asn Glu Val Ser Ile Gln Val  
 85 90 95  
 Lys Ala Ser Ala Ile Ser Phe Thr Asp Thr Leu Cys Val Gln Gly Leu  
 100 105 110  
 Tyr Pro Ser His Tyr Pro Phe Val Pro Gly Phe Glu Val Ser Gly Val  
 115 120 125  
 Ile Arg Gln Val Gly Glu His Ile Thr Asp Leu His Val Gly Asp Glu  
 130 135 140

Val Ile Ala Phe Thr Gly Ser Ser Met Gly Gly His Ala Ala Tyr Val	145	150	155	160
Thr Val Pro Gln Asp Tyr Val Val Arg Lys Pro Lys Asp Leu Ser Phe	165	170	175	
Glu Asp Ala Cys Ser Phe Pro Leu Ala Phe Ala Thr Val Tyr His Ser	180	185	190	
Phe Ala Arg Gly Lys Leu Ser His Asn Asp His Ile Leu Ile Gln Thr	195	200	205	
Ala Thr Gly Gly Cys Gly Leu Met Ala Leu Gln Leu Ala Arg Leu Lys	210	215	220	
Gln Cys Val Cys Tyr Gly Thr Ser Ser Arg Glu Asp Lys Leu Ala Leu	225	230	235	240
Leu Lys Gln Trp Ala Leu Pro Tyr Val Phe Asn Tyr Lys Thr Cys Asn	245	250	255	
Ile Asp Glu Glu Ile Gln Arg Val Ser Gly His Arg Gly Val Asp Val	260	265	270	
Val Leu Asn Met Leu Pro Gly Glu His Ile Gln Gln Gly Leu Asn Ser	275	280	285	

FIG. 22DD (cont'd)

Leu	Ala	Lys	Gly	Gly	Arg	Tyr	Leu	Glu	Leu	Ser	Met	His	Gly	Leu	Leu
290						295					300				
Thr	Asn	Glu	Pro	Val	Ser	Leu	Ser	Ser	Leu	Arg	Phe	Asn	Gln	Ser	Val
305					310					315					320
Gln	Thr	Ile	Asn	Leu	Leu	Gly	Leu	Leu	Asn	Lys	Gly	Asp	Asp	Gly	Phe
				325					330					335	
Ile	Gly	Ser	Val	Leu	Ala	Gln	Met	Val	Ser	Trp	Ile	Glu	Ser	Gly	Asp
				340				345					350		
Leu	Val	Ser	Thr	Val	Ser	Arg	Ile	Tyr	Pro	Leu	Asp	Gln	Ile	Gly	Glu
				355			360					365			
Ala	Leu	Arg	Tyr	Val	Ser	Glu	Gly	Glu	His	Ile	Gly	Lys	Val	Val	Val
370						375					380				
Ser	His	Thr	Ala	Thr	Glu	Pro	Met	Asp	Cys	Arg	Gln	Arg	Cys	Ile	Asp
385					390					395					400
Asn	Val	Leu	Lys	Gln	Gly	Gln	Met	Ala	Ala	Leu	Thr	Ala	Thr	Gly	Gly
				405				410						415	
Lys	Ser	Arg	Val	Trp	Gly	Gly	Thr	Gly	Val	Asn	Asp	Lys	Pro	Ser	Pro
				420				425					430		

FIG. 22DD (cont'd)

Ala Val Gly Ile Glu Glu Arg Leu Leu Glu Gly Ile Ala Val Ile Gly	435	440	445
Leu Ser Gly Gln Tyr Pro Lys Ser Lys Thr Leu Glu Gln Phe Trp Gln	450	455	460
Thr Leu Ala Asp Gly Val Asp Cys Ile Ser Glu Ile Pro Ala Asp Arg	465	470	475
Trp Ser Leu Glu Glu Tyr Tyr Ser Pro Ile Pro Glu Gly Lys Thr	485	490	495
Tyr Cys Lys Trp Met Gly Val Leu Glu Asp Met Asp Cys Phe Asp Pro	500	505	510
Leu Phe Phe Ala Ile Ser Pro Arg Glu Ala Glu Val Met Asp Pro Gln	515	520	525
Gln Arg Leu Phe Leu Glu Asn Ala Trp Ser Cys Ile Glu Asp Ala Gly	530	535	540
Ile Asn Pro Lys Met Leu Ser Arg Ser Arg Cys Gly Val Phe Val Gly	545	550	555
Cys Gly Ala Asn Asp Tyr Ser Ala Leu Met Asn Ser Ser His Ser Thr	565	570	575

FIG. 2200D (cont'd)

Ser	Leu	Glu	Leu	Met	Lys	Glu	Leu	Gly	Asn	Asn	Ser	Ser	Ile	Leu	Ser
		580						585					590		
Ala	Arg	Ile	Ser	Tyr	Phe	Leu	Asn	Leu	Lys	Gly	Pro	Cys	Leu	Ala	Ile
		595				600						605			
Asp	Thr	Ala	Cys	Ser	Ser	Ser	Leu	Val	Ala	Ile	Ala	Glu	Ser	Cys	Asn
		610				615					620				
Ser	Leu	Val	Leu	Gly	Thr	Ser	Asp	Leu	Ala	Leu	Ala	Gly	Gly	Val	Leu
		625				630				635					640
Leu	Met	Pro	Gly	Pro	Ser	Leu	His	Ile	Gly	Leu	Ser	His	Gly	Glu	Met
				645					650					655	
Leu	Ser	Val	Asp	Gly	Arg	Cys	Phe	Thr	Phe	Asp	Gln	Arg	Ala	Asn	Gly
			660					665					670		
Phe	Val	Pro	Gly	Glu	Gly	Val	Gly	Val	Val	Leu	Leu	Lys	Arg	Met	Ser
		675					680					685			
Asp	Ala	Val	Arg	Asp	Gly	Asp	Pro	Ile	Arg	Ala	Val	Ile	Arg	Gly	Trp
		690				695					700				
Gly	Val	Asn	Gln	Asp	Gly	Arg	Ser	Asn	Gly	Ile	Thr	Ala	Pro	Ser	Ser
		705				710				715					720

FIG. 22DD (cont'd)

Lys	Ala	Gln	Ser	Ala	Leu	Glu	Gln	Glu	Val	Tyr	Gln	Arg	Phe	Asn	Ile
				725					730					735	
Asp	Pro	Ser	Ser	Ile	Thr	Leu	Val	Glu	Ala	His	Gly	Thr	Gly	Thr	Lys
				740				745						750	
Leu	Gly	Asp	Pro	Ile	Glu	Val	Glu	Ala	Leu	Ala	Glu	Ser	Phe	Arg	Val
				755			760					765			
Tyr	Thr	Asp	Lys	Arg	His	Tyr	Cys	Ala	Leu	Gly	Ser	Val	Lys	Ser	Asn
						775					780				
Ile	Gly	His	Leu	Gly	Val	Gly	Ala	Gly	Ile	Ala	Gly	Val	Thr	Lys	Val
						790				795					800
Leu	Leu	Ser	Leu	Gln	His	Arg	Met	Leu	Pro	Pro	Thr	Ile	His	Cys	Glu
									810					815	
Asp	Val	Asn	Pro	Gln	Ile	Ala	Leu	Glu	Gly	Ser	Pro	Phe	Tyr	Ile	Asn
								825					830		
Thr	Glu	Leu	Lys	Pro	Trp	Gln	Ser	Gly	Asp	Ser	Ile	Pro	Arg	Arg	Ala
								840				845			
Gly	Val	Ser	Ser	Phe	Gly	phe	Ser	Gly	Thr	Asn	Ala	His	Leu	Val	Leu
								855							

FIG. 22DD (cont'd)

Glu	Glu	Tyr	Leu	Pro	His	Ser	Thr	Gly	Thr	Ile	Glu	Ser	Phe	Ala	Ala	880
865					870					875						
Asn	His	Ala	Ser	Thr	Val	Ile	Ile	Pro	Leu	Ser	Ala	Lys	Ser	His	Asn	
				885				890						895		
Ser	Leu	Tyr	Thr	Tyr	Ala	Gln	Thr	Leu	Leu	Ile	Phe	Leu	Lys	Arg	Ser	
			900					905						910		
Gln	Val	Thr	Asp	Ala	Lys	Lys	Ile	Thr	Ile	Asp	His	Met	Glu	Cys	Arg	
		915					920					925				
Leu	Leu	Asp	Leu	Ala	Tyr	Thr	Leu	Gln	Val	Gly	Arg	Glu	Ala	Met	Asp	
		930				935				940						
Lys	Arg	Ile	Ser	Phe	Ile	Val	Asn	Thr	Lys	Gln	Ala	Leu	Val	Glu	Lys	960
945					950					955						
Leu	Asn	Ala	Phe	Leu	Glu	Lys	Glu	Lys	Thr	Ile	Thr	Asp	Cys	Tyr	His	
				965					970					975		
Tyr	Leu	Phe	Asp	Ser	Asp	Lys	Pro	Ser	Thr	Glu	Ile	Phe	Arg	Leu	Asp	
			980					985					990			
Glu	Asp	Asp	Lys	Val	Leu	Ile	Asn	Ser	Trp	Ile	Ser	Gln	Ser	Gln	Tyr	
		995					1000						1005			

FIG. 22DD (cont'd)

PROTEIN "BEEB/60"

His Lys Leu Ala Glu Ala Trp Ser Gln Gly Leu Asp Ile Asp Trp Thr	
1010	1015 1020
Leu Leu Tyr Thr His Ser Ser Thr Pro Arg Arg Ile Ser Leu Pro Thr	
1025	1030 1035
Tyr Pro Phe Ala Arg Asp Arg Tyr Trp Leu Pro Glu Lys Pro Arg Tyr	
	1045 1050 1055
Asn Ala Ala Asn His Pro Val Ser Asn His Gln Thr Thr Thr Gln Asn	
	1060 1065 1070
His Ser Arg Phe Ala Ile Asp Thr Asp His Asp Val Val Ala Glu Ile	
	1075 1080 1085
Met Gln Lys Thr His Gln Gln Glu Leu Glu Gln Trp Leu Leu Lys Leu	
1090	1095 1100
Leu Phe Val Gln Leu Gln His Met Gly Leu Phe Gln His Arg Val Phe	
1105	1110 1115 1120
Glu Thr Ala Thr Ala Leu Arg Gln Ser Ala Gly Ile Val Asp Lys Tyr	
	1125 1130 1135
Asp Arg Trp Trp His Glu Cys Leu Ser Val Leu Gln Asp Ala Gly Tyr	
	1140 1145 1150

FIG. 22DD (cont'd)

Leu Glu Trp Lys Asp Asp Ser Val Ala Ala Gln Ala Leu Glu Ser  
 1155 1160 1165  
 Glu Ser Gln Glu Ala Trp Trp Ser Arg Trp Asn Thr Glu Tyr Lys His  
 1170 1175 1180  
 Tyr Gln Asn Asp Pro Glu Lys Lys Thr Leu Ala Ile Leu Ile Asn Asp  
 1185 1190 1195 1200  
 Cys Leu Gln Ala Leu Pro Gly Val Leu Ser Gly Glu Gln Leu Ile Thr  
 1205 1210 1215  
 Asp Ile Ile Phe Pro Asn Gly Ser Met Glu Lys Met Glu Gly Leu Tyr  
 1220 1225 1230  
 Lys Asn Asn Arg Ile Ala Asp Tyr Cys Asn Gln Cys Val Gly Asp Leu  
 1235 1240 1245  
 Leu Val Gln Phe Ile Glu Ala Arg Leu Ser Arg Asp Ala Asn Ala Arg  
 1250 1255 1260  
 Ile Arg Ile Ile Glu Ile Gly Ala Gly Thr Gly Gly Thr Thr Ala Ile  
 1265 1270 1275 1280  
 Val Leu Pro Met Leu Gln Ala Tyr Gln Asp His Ile Asp Thr Tyr Cys  
 1285 1290 1295

FIG. 22DD (cont'd)

Tyr Thr Asp Val Ser Lys Ala Phe Leu Met His Gly Gln Glu His Tyr  
     1300                    1305                    1310  
  
 Gly Glu Gln Tyr Pro Tyr Leu Ser Tyr Cys Leu Cys Asn Ile Glu Gln  
     1315                    1320                    1325  
  
 Asp Leu Val Ala Gln Gly Ile Ser Val Gly Asp Tyr Asp Ile Ala Ile  
     1330                    1335                    1340  
  
 Ala Ala Asn Val Leu His Ala Thr Arg Asn Ile His Glu Thr Val Ser  
     1345                    1350                    1355                    1360  
  
 His Val Arg Gln Ala Leu Ala Ala Asn Gly Leu Leu Ile Leu Asn Glu  
     1365                    1370                    1375  
  
 Phe Ser Gln Lys Ser Val Phe Ser Ser Val Ile Phe Gly Leu Ile Asp  
     1380                    1385                    1390  
  
 Gly Trp Ala Leu Ser Glu Asp Thr Gly Leu Arg Ile Pro Gly Ser Pro  
     1395                    1400                    1405  
  
 Gly Leu Tyr Pro Lys Gln Trp Gln Ala Val Leu Glu Ala Ser Gly Phe  
     1410                    1415                    1420  
  
 Gly Asp Val Glu Phe Pro Leu His Asp Ala Arg Glu Leu Gly Gln Gln  
     1425                    1430                    1435                    1440

FIG. 22DD (cont'd)

Ile Ile Leu Ala Thr Asn Ala His Ala Asn Val Ala Ser Asp Leu Ala  
1445 1450 1455

Thr Ser Val Ile Asp His Ala Pro Lys Arg Leu Pro Ser Ala Glu Val  
1460 1465 1470

Ser Met Asp Glu Arg Val Ser His Asp Ala Met Met Lys Ala Ser Val  
1475 1480 1485

Lys Gln Leu Leu Val Glu Gln Leu Ser Gln Ser Leu Lys Leu Asp Met  
1490 1495 1500

Asn Glu Ile His Pro Asp Glu Ser Phe Ala Asp Tyr Gly Val Asp Ser  
1505 1510 1515 1520

Ile Thr Gly Ala Ser Phe Ile Gln Gln Leu Asn Asp Thr Leu Thr Leu  
1525 1530 1535

Thr Leu Lys Thr Val Cys Leu Phe Asp His Ser Ser Val Asn Arg Leu  
1540 1545 1550

Thr Ala Tyr Leu Leu Ser Asp Tyr Gly Asp Asp Ile Ala Gln Trp Leu  
1555 1560 1565

Ala Thr Ala Pro Ala Leu Val Asp His Pro Gln Ser Val Val Ser Gln  
1570 1575 1580

Val Leu Pro Glu Arg Ser Pro Ala Ser Thr Gln Ala Lys Pro Leu Pro	1585	1590	1595	1600
Ser Val Pro Pro Ser Leu Ser Met Glu Ser Pro Val Gln Gln Glu Ser	1605	1610	1615	
Ile Ala Ile Ile Gly Met Ser Gly Arg Phe Ala Ala Ser Glu Asn Leu	1620	1625	1630	
Glu Ala Phe Trp Gln Gln Leu Ala Gln Gly Val Asp Leu Val Glu Pro	1635	1640	1645	
Ala Ser Arg Trp Gly Pro Gln Ala Glu Thr Tyr Tyr Gly Ser Phe Leu	1650	1655	1660	
Lys Asp Met Asp Gln Phe Asp Pro Leu Phe Phe Asn Leu Ser Gly Val	1665	1670	1675	1680
Glu Ala Ser Tyr Met Asp Pro Gln Gln Arg Cys Phe Leu Glu Glu Ser	1685	1690	1695	
Trp Asn Ala Leu Glu Asn Ala Gly Tyr Val Gly Asp Gly Ile Glu Gly	1700	1705	1710	
Lys Arg Cys Gly Ile Tyr Ala Gly Cys Val Ser Gly Asp Tyr Ala Gln	1715	1720	1725	

FIG. 22 DD (cont'd)

Leu	Leu	Gly	Asp	Gln	Pro	Pro	Gln	Ala	Phe	Trp	Gly	Asn	Ala	Ser	
															1730
															1735
															1740
Ser	Ile	Ile	Pro	Ala	Arg	Ile	Ala	Tyr	Tyr	Leu	Asn	Leu	Gln	Gly	Pro
															1760
															1745
															1750
															1755
Ala	Thr	Ala	Val	Asp	Thr	Ala	Cys	Ser	Ser	Ser	Leu	Val	Ala	Val	His
															1775
															1765
															1770
Leu	Ala	Cys	Gln	Ala	Leu	His	Leu	Asp	Glu	Met	Glu	Met	Ala	Leu	Ala
															1790
															1780
															1785
Gly	Gly	Val	Ser	Leu	Tyr	Pro	Thr	Pro	Ile	Ile	Val	Glx	Val	Phe	Ala
															1805
															1795
															1800
Trp	Cys	Arg	Tyr												
															1810

FIG. 22DD (cont'd)